

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

(For all sources except PSD and true minor sources)

Completed by: Margaret Morrison

GENERAL INFORMATION:

Name:	Quebecor Printing Franklin
Address:	300 Brown Road, Franklin, Kentucky 42135
Date application received:	December 10, 1997
SIC/Source description:	2754/Publication rotogravure printing plant
AFS(10-digit) Plant ID:	21-213-00022
EIS #:	105-3740-0022
Application log number:	F444
Permit number:	V-99-030

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input checked="" type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input checked="" type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR		<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052, 1(14)(b)

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	13.010	13.010
SO ₂	0.538	0.538
NO _x	62.069	62.069
CO	15.352	15.352
VOC	1524.036	1524.036
HAPs	Toluene - 1441.251* MEK - 16.665	Toluene - 1441.251* MEK - 16.665
	* This HAP can fluctuate according to solvent composition of the inks	* This HAP can fluctuate according to solvent composition of the inks

SOURCE PROCESS DESCRIPTION:

Quebecor Printing Franklin is a publication rotogravure printing plant which prints magazines, catalogs, flyers, and newspaper inserts. Printing takes place on five large publication rotogravure presses with two presses having an additional flexographic imprinter attached. The presses are controlled by a carbon adsorption system/solvent recovery system. Three natural gas fired boilers with #2 fuel oil as backup are used to supply steam to the facility. Two fuel oil tanks are used to hold the backup fuel supplying the boilers. Four cooling towers are used to cool the spent steam from the carbon adsorption system. A decant tank then separates the cooled water into water that can be recycled back into the control system and solvent that is recycled to the tank farm. A deaerator is part of the boiler feedwater recycling system.

Other affected facilities are a parts washer, proof press and drum proofer which are also controlled by the carbon adsorption system. Uncontrolled affected facilities are an aboveground tank farm which stores inks and solvents used in the printing process and the pipeline equipment, distillation unit, and two dirty solvent sumps associated with the material transfer process from the tank farm to the presses and back. Also included are two chrome plating lines which are used to plate the cylinders used in the printing presses and a cylinder cleaning operation. The chrome plating tanks in the lines are controlled by composite mesh pads. Three balers which are controlled by baghouses are used to bale the scrap paper from the printing presses. There are also 6 hand correction stations.

An air stripper is used in the wastewater treatment plant. During the packaging process, the ink jet printing operation puts labels on outgoing parcels. Also, two hot melt gluing operations are used in the packaging. Emergency equipment consists of 2 generators - diesel fired, a fire pump - diesel fired, and two diesel fuel tanks. Quebecor Imaging Franklin has been included in this permit. It is located in a separate building on the same property. It is a film and digital image data processing plant.